

Data Warehouse Project Monthly Report

June 2003

Entire DW Environment (DW db and DMs) and General Project Management

Major Accomplishments

- Purchased additional terabyte of disc space and the ETL software tool, Embarcadero 9.1, and its associated required hardware. Awaiting delivery of the above and authorization for the power supply upgrade to computer room.
- Carefully analyzed and then updated the load plan/schedule – now scheduled to begin loading by the end of September.
- Arranged SAS training for July 22-24.
- Working with ITSC management as they address IE hardware and staffing requirements.
- Working with Jim Cheek and Nat Cobb to develop a draft agency policy for designating the data mart system owners and for internal program management use of those data.
- Tracking the requisition request for additional hardware critically needed to implement DW1 (two additional tape drives for backups and a new server for Tivoli Manager).

Next Month's Planned Activities

- Complete focused plan for the final 2-3 months prior to load.
- Track delivery and installation of the additional disc space, ETL tool and associated hardware.
- Continue to assist ITSC management as they address IE hardware and staffing requirements.
- Work with Jim Cheek and Nat Cobb to complete and submit for approval a draft agency policy for designating the data mart system owners and for internal program management use of those data.
- Recruit replacements for three recently vacated DW project positions.
- Continue to closely track requisition request for two additional tape drives for backups and a new server for Tivoli Manager.

DW Database

Major Accomplishments

- Completing technical review of the DW model and ETL processes, beginning to prepare final report.
- Began design of the metadata repository model for DW-1.
- Completed model for healthcare facility lookup tables.
- Reviewing CHS data workgroup contractor's final deliverables.

Next Month's Planned Activities

- Complete final review of the technical review, identifying completed and pending work to be done prior to load. Proceed with that identified work.
- Complete ETL process documentation.
- Continue to work with colleagues on the Software Development Team to diagnosis and correct the problem with the Unique Registration Record ID.
- Continue designing the metadata repository model.
- Build healthcare facility lookup tables.
- Coordinate assignment of unique healthcare facility IDs in those tables with RPMS DBA.
- Gather additional questions that need to be addressed by the CHS Data Quality Workgroup.

Administrative Data Mart

Major Accomplishments

- Continued designing ETL (DW database to data mart) programming and configuring the server.
- Gathering “core data requirements.”
- Continuing the design and implementation of the non-SAS portions of this system (e.g., error handling, data received notification).

Next Month's Planned Activities

- Continue to revise model with the plan to re-submit to first group of OPS/Statistical Officer reviewers.
- Complete list of “core data requirements” to submit to OPS/OPH for its review.
- Continue to implement the data mart's draft model into the database structure.
- Install and begin to use Embarcadero to work on the ETL (DW database to data mart) programming.
- Continue the design and implementation of the non-SAS portions of this system (e.g., error handling, data received notification).

Clinical and Data Quality/Export Tracker Data Marts

Major Accomplishments

- Continuing to design various clinical data mart designs (ORYX, Cancer, Diabetes, Health Education) and the ETL (DW database to data mart) programming.
- Completed documentation required to obtain contract approval for the SAS pilot to design the web-based reporting portion of the export tracking and data quality portion of this system for DW-1.

Next Month's Planned Activities

- Complete "data requirements" document to support clinical indicators from DW-1.
- Schedule (and if approved promptly enough, begin) the above SAS pilot.

RPMS Export to DW Environment

Major Accomplishments

- Obtained contracting approval to perform the remaining portions detailed in the modifications task order on the RPMS DW export.
- Began work on the remaining portions of the RPMS DW export.
- Continuing work on the task order for the IE programming for the RPMS export and the non-site exports (CHS638, CHSFI, Denrun).
- Performed QA on initial HL7 test files.
- Investigating identified problem with the unique registration record ID.
- Continued planning the remaining unit, system, and volume testing of the entire RPMS DW export process.

Next Month's Planned Activities

- Complete work on the RPMS DW export.
- Complete IE programming for the RPMS export.
- Complete investigation of and resolve identified problem with the unique registration record ID.
- Complete planning (and possibly begin) the unit, system, and volume testing of the entire RPMS DW export process.

Non- RPMS Site Exports to DW Environment

Major Accomplishments

- Produced and completed initial reviews of the first versions of the IHS HL7 Implementation Guide.
- Began to work with colleagues in ITSC's Self Governance Services to review this guide and to assist them as they develop marketing tools.

Next Month's Planned Activities

- Extend review of the IHS HL7 Implementation Guide to selected tribal and urban representatives.

Other Exports to DW Environment

Major Accomplishments

- No work this month.

Next Month's Planned Activities

- No work anticipated in this area this month.